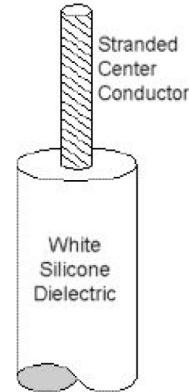


## UL STYLE 3239 High Voltage Silicone Wire

These designs have earned the UL approval only after successfully meeting stringent performance and manufacturing acceptance criteria. The silicone dielectric maintains excellent flexibility over an extreme temperature range and is resistant against radiation, moisture, and weathering. Being compatible with most silicone encapsulation material (RTV) makes this wire an excellent choice for most high or low voltage terminations.

| Part Number | Operating Voltage | Conductor |                |                  | O.D.        | lbs./1000' apx. net |
|-------------|-------------------|-----------|----------------|------------------|-------------|---------------------|
|             | kVdc              | AWG       | Stranding (TC) | Dimension in[mm] | in[mm]      |                     |
| 36227       | 20                | 22        | 19/34          | 0.032[0.81]      | 0.140[3.56] | 10.0                |
| 33163       | 15                | 20        | 19/32          | 0.040[1.02]      | 0.134[3.42] | 10.5                |
| 33165       | 25                | 18        | 19/30          | 0.051[1.30]      | 0.171[4.35] | 17.8                |
| 36225       | 25                | 16        | 19/28          | 0.058[1.47]      | 0.181[4.60] | 21.2                |
| 36226       | 40                | 16        | 19/28          | 0.058[1.47]      | 0.331[8.41] | 29.9                |
| 36220       | 25                | 14        | 41/30          | 0.078[1.98]      | 0.201[5.11] | 28.3                |
| 36219       | 50                | 12        | 65/30          | 0.101[2.57]      | 0.307[7.80] | 56.8                |
| 36185       | 20                | 10        | 37/25          | 0.117[2.97]      | 0.235[5.97] | 53.8                |

- Notes:
1. Standard dielectric color is white. Custom colors available, contact Caton for details.
  2. Operating temperature range is -55 to +150 C



## Dual Extruded

When applications require extremely low loss of power and cannot tolerate electrical noise, i.e. partial discharge, a layer of semi-conducting silicone is extruded around the stranded center conductor thereby bringing air inside the stranding to zero electrical stress.

| Part Number | Operating Voltage |      | Conductor |           |         |                  | Semi-conductive layer in[mm] | O.D.         | lbs./1000' apx. net |
|-------------|-------------------|------|-----------|-----------|---------|------------------|------------------------------|--------------|---------------------|
|             | kVac              | kVdc | AWG       | Stranding | Plating | Dimension in[mm] |                              | in[mm]       |                     |
| 005639      | 10                | 30   | 22        | 19/34     | Silver  | 0.032[0.81]      | 0.067[1.70]                  | 0.180[4.57]  | 12.4                |
| 0A2841      | 15                | 40   | 18        | 19/30     | Silver  | 0.051[1.30]      | 0.086[2.18]                  | 0.236[5.99]  | 27.6                |
| 002841      | 18                | 50   | 14        | 19/27     | Silver  | 0.071[1.80]      | 0.100[2.54]                  | 0.300[7.62]  | 47.1                |
| 005640      | 20                | 60   | 12        | 19/25     | Silver  | 0.092[2.34]      | 0.134[3.40]                  | 0.360[9.14]  | 68.3                |
| CC40415     | 15                | 40   | 10        | 105/30    | Silver  | 0.126[3.20]      | 0.163[4.14]                  | 0.415[10.54] | 96.0                |
| 005641      | 30                | 80   | 8         | 133/29    | Silver  | 0.150[3.81]      | 0.240[6.10]                  | 0.650[16.51] | 209.5               |

- Notes:
1. Standard dielectric color is white. Custom colors available, contact Caton for details.
  2. Operating temperature range is -55 to +150 C

